St. Louis County (HW)
McDonnell Douglas Corp.
(Tract I)

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RCOM SECTION

STATE OF MISSOURI

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF ENVIRONMENTAL QUALITY

St. Louis Regional Office

10805 Sunset Office Drive, Suite 100 St. Louis, MO 63127-1017

(314)822-0101

Mel Canahan Governor • David Vishors Director

May 23, 1995

Mr. Joseph Haake, Group Manager Environmental and Hazardous Materials Services McDonnell Douglas Corporation Dept. 064C, Bldg. 110, MailCode 1111099 P.O. Box 516 St. Louis, MO 63166

Dear Mr. Haake:

L.O.W. #95-SL.027

Enclosed is a report of an inspection conducted by Mr. Joe Trunko of my staff. The section titled "UNSATISFACTORY FEATURES" lists violations noted during the inspection and outlines steps the inspector has determined will correct those violations.

A closure inspection was conducted of the Building 28 Waste Tank and the Building 10 Explosives Storage Area (Area 3). The section in the report titled "CLOSURE INSPECTION REPORT" contains the findings of the closure inspection.

We have received your company's May 3, 1995, response to Notice of Violation (NOV) #3647 (copy attached). This NOV was issued as a result of violations noted during the inspection. A review of the response indicates that the proper actions have been taken to correct Unsatisfactory Features #1, 2, and 3 (as noted in the report).

The following additional actions are required to correct unsatisfactory features #4, 5 and 6:

1. After consulting with the Hazardous Waste Program, it was determined that marking the small satellite containers "HAZARDOUS SOLID WASTE-EMPTY EVERY NIGHT" would be adequate provided that McDonnell Douglas could insure that the containers are actually emptied every night. Please submit to this office the procedures that will be put in place to insure that these containers will be emptied nightly.

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RCRA Records Center

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- 2. McDonnell Douglas must dispose of all hazardous waste that has been stored at the facility for over one year. Copies of manifests documenting proper disposal must be submitted to this office. In lieu of this action, information must be submitted to this office that shows that the length of storage was necessary in order to facilitate proper recovery, treatment, or disposal of the waste. See unsatisfactory feature #5 in the report.
- 3. A notification must be submitted to the Hazardous Waste Program concerning closure of the Building 27 distillation unit. The notification should be directed to the Hazardous Waste Program Permits Section, with a copy submitted to this office. See unsatisfactory feature #6 in the report.

A written response that includes the information requested above must be submitted to this office by June 23, 1995. A copy of the response should also be forwarded to Mr. Tom Judge at the Hazardous Waste Program.

Your cooperation in this matter is appreciated. Should you have any questions, please call Mr. Joe Trunko at (314) 822-0101.

Sincerely,

ST. LOUIS REGIONAL OFFICE

Robert S. P. Eck Regional Director

RSPE/JLT/jh

Enclosures

c: HWP

RESOURCE CONSERVATION AND RECOVERY ACT

MISSOURI HAZARDOUS WASTE MANAGEMENT LAW COMPLIANCE EVALUATION INSPECTION REPORT

FACILITY

McDonnell Douglas Corporation Tract I P.O. Box 516 St. Louis, MO 63166 (314) 232-3319 EPA ID #: MOD000818963

MO Generator ID #: 001001

Permit #: OSO 062284 002

Resource Recovery #: 0268-A

MO Transporter ID #: H-1039

PARTICIPANTS

Missouri Department of Natural Resources (MDNR)

Joseph L. Trunko & Rochelle Gibson Environmental Specialists

McDonnell Douglas Corporation

Joseph Haake, Group Manager Environmental & Hazardous Materials Services

INTRODUCTION

On April 25, 1995, an inspection was conducted at McDonnell Douglas Corporation-Tract I (MCDC) located in St. Louis County, Missouri. The inspection was conducted under the authority of the Resource Conservation and Recovery Act (RCRA) of 1976 and Sections 260.375(9) and 260.377 of the Missouri Hazardous Waste Management Law (1977) as amended. The inspection was confined to facets of the facility operation related to hazardous waste management.

Storage Permit #OSO 062284 002, issued to MCDC on March 22, 1984, expired on June 22, 1994. A renewal application has been submitted to the Department and is under review.

On May 9, 1994, MCDC submitted a closure certification for the Building 28 Waste Tank and the Building 10 Explosives Storage Area (Area 3). At the request of the Hazardous Waste Program, a final closure inspection was conducted of these units during the facility inspection.

FACILITY DESCRIPTION

MCDC is a manufacturer of military aircraft. Operations at the facility include chemical processing (conversion coating, etching, pickling, and electroplating), machining of parts, composite manufacturing, parts degreasing and painting, aircraft assembly and painting, aircraft testing (flight ramps), industrial wastewater pretreatment, and a boiler house.

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MCDC operates five days per week, 24 hours per day, three shifts per day. The largest shift (shift 1) consists of approximately 6,700 employees. A site map of the facility is attached.

MCDC is a large quantity generator of hazardous waste. Numerous waste streams are generated. However, the largest waste streams include emulsified cutting oil, paint solids, solvent and paint waste, wastewater treatment sludge and corrosive waste.

MCDC is permitted to store hazardous waste for greater than 90 days. Waste generated from on-site as well as waste from off-site facilities is stored. Only waste from MCDC facilities is accepted from off-site. Hazardous waste is transported to Tract I by MCDC (Missouri Transporter ID #H-1039). A Generator's Hazardous Waste Summary Report and Facility Quarterly Summary Report for the quarter ending December 31, 1994, are attached.

MCDC stores on-site generated waste (drum related) at three less-than-90-day storage areas. These areas are located on the east side of Building 2, at Building 48, and at Building 51, respectively. Waste solvents, paints, and oils are accumulated in drums at numerous satellite locations (mainly in Buildings 27, 29A, 220, 2, 42, and 48). When full, these containers are transferred to one of the less-than-90-day storage areas or directly to the permitted storage area. Waste oils generated in the general flight ramp area are stored at a separate storage shed located north of Building 40.

Solids contaminated with paint and/or solvents are accumulated in red, two cubic yard dumpsters. There are approximately 30-40 of these dumpsters located throughout the facility (mainly in Buildings 27, 220, 29, 2, 45, and 48). When full, these dumpsters are emptied into two compactor roll-offs located at the north side of Building 27 and the north side of Building 48 respectively (approximately twice per week). The roll-off containers are transported by Peoria Disposal Company to an off-site hazardous waste facility.

Rags that are used to wipe up solvents and paint are placed in 5, 10, 15, and 30-gallon red trash cans located at the immediate work areas. There are approximately 400-500 of these containers located throughout the facility. At the end of each day, these cans are emptied into the nearest two-yard dumpster.

Wastewater pretreatment sludge (F006/F019) is accumulated in a 15 cubic yard roll-off container that is located underneath the filter press in Building 14. This waste is shipped directly off- site by Heritage Transport, Inc.

Waste coolant from manufacturing equipment is collected in portable tanks and is pumped into a storage tank located in the lower level of Building 27. The waste coolant is managed as a used oil and is shipped off-site by Heritage Transport, Inc.

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MCDC currently stores hazardous waste for greater than 90 days in the following unit:

Building 27 Scrap Dock Container Storage Area - Containers from off-site and from the on-site, less-than-90-day storage areas are stored at this area. Acids, alkalis, oils, solvents, and paint sludges are stored in Area 1. Cyanides and sulfides are stored in Area 2, which consists of a prefabricated storage building. MCDC has submitted modifications requesting the removal of the storage tanks from the permit. A detailed description of these tanks was included in previous inspection reports. The current status of these tanks is as follows:

Building 14 Sludge Holding Tank - MCDC submitted a request to remove this tank from permit status based on the wastewater treatment exemption. The tank must still be closed in accordance with the closure plan. Soil samples were collected from underneath the tank and the analysis results indicated contamination. Additional background samples are scheduled to be collected.

Building 52 Caustic Tanks (H19, H20) - The tanks are currently used to store waste sodium hydroxide solution. The solution is sent to Reynolds Aluminum in Texas for use in their process. As a result, it is not considered a solid waste. MCDC is pursuing closure of these tanks. Sampling conducted by MCDC around the tanks showed contamination. Additional sampling will be conducted to determine the extent of the contamination.

Building 52 Acid Tanks (H12-H16) - These tanks are currently used to store waste nitric hydrofluoric acid (pickling solution). This solution is sent to a facility in Washington, Missouri, that uses it as an ingredient in their process. As a result, it is not considered a solid waste. MCDC is pursuing closure of these tanks. Sampling conducted by MCDC around the tanks showed contamination. Additional sampling will be conducted to determine the extent of the contamination.

Hush House Waste Tank - Groundwater remediation is ongoing. Closure will not be certified until the cleanup levels specified by the Department are achieved. Waste jet fuel generated in this area is currently being run through an oil water separator.

<u>Fuel Pit #3 and #4 Waste Tanks</u> - Same as the Hush House Waste Tank.

Building 28 Waste Tank - MCDC submitted a final closure certification for this tank to the Department on May 9, 1994. A closure inspection of the tank was conducted by the inspector during the facility inspection.

Ramp Station 1 and 2 Waste Tank - Tank has been removed. Groundwater remediation is ongoing. Waste jet fuel generated in this area is currently being run through an oil water separator.

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Building 10 Explosives Storage Building - MCDC submitted a final closure certification for this area to the Department on May 9, 1994. A closure inspection was conducted of the area by the inspector during the facility inspection.

The following units have been certified closed and are no longer part of the permit:

Building 52 Acid Tanks (H1-H6)
Building 6 Waste Oil Tank
F-18 Silencer Waste Tank
Building 27 Scrap Dock Container Storage Area 2 (original area 2)

Waste jet fuel generated at this facility is burned as a fuel in the facility's boilers. As a result, the jet fuel is not considered a solid waste.

MCDC has a Resource Recovery Certification (expires November 18, 1996) for the following operations:

Distillation of spent Methyl Ethyl Ketone (MEK) and Methyl Isobutyl Ketone (MIBK). A distillation unit is located at the paint area in Building 48. Still bottoms are collected in a 55 gallon drum and are disposed of as hazardous waste. The distillation unit located at the paint area in Building 27 has been removed due to its age and deteriorating performance.

The recovery of perchloroethylene by steam stripping carbon adsorption beds. This process is located in Building 51. Prior to chemical milling, a maskant coating that contains perchloroethylene is applied to metal parts. As the parts dry, the perchloroethylene evaporates, is collected, and is run through a carbon adsorption unit. The perchloroethylene is stripped from the carbon beds with steam and is collected for reuse as an ingredient in new maskant production.

The recovery of used hydraulic oil. Used hydraulic oil generated from metal fabrication equipment in building 29 is processed through a thermo-vacuum-distillation unit. Water and solids are removed from the oil and the oil is reused at the facility.

Solid waste generated at the facility is hauled by MCDC to the Westlake Sanitary Landfill. Burnable solid waste is collected in brown, 2 cubic yard dumpsters and is burned in a permitted incinerator located at the MCDC Tract II facility.

MCDC has a NPDES Permit (MO-0004782) from the MDNR for the discharge of storm water and non-contact cooling water.

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MCDC has been proactive in reducing the quantity of hazardous waste generated at this facility. Waste minimization efforts recently initiated include the replacement of the centrifuge located at Building 14 with a filter press and the on-site neutralization of corrosive waste (non-chromate) at the Building 14 wastewater pretreatment plant.

UNSATISFACTORY FEATURES

1. Satellite containers of hazardous waste not put into storage within three days of filling, in violation of 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(c)(2). One full 55 gallon drum of waste MEK was observed next to the small paint booth in Building 2. The drum was dated 9/23/93 (start date of waste accumulation). According to the operator in the area, the drum had been full for several months.

All satellite containers of hazardous waste must be placed into storage within three days of filling. MCDC must remove the drum of waste MEK from the paint booth area and place it in a less than 90 day storage area or the permitted storage area. Documentation and/or written certification this has been done must be submitted to the Department.

2. Failure to provide adequate aisle space, in violation of 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4), referencing 40 CFR 265.35. There were 15 drums of cyanide waste being stored in the Area 2 permitted storage building. Several of the drums were located along the back wall of the building and were not easily accessible.

Adequate aisle space must be maintained to allow the unobstructed movement of personnel and emergency equipment. Each container of hazardous waste must be visible and accessible so that the contents (markings/labels) of each container can be easily identified and that each container can be inspected for leaks and deterioration. Documentation and or written certification this has been done must be submitted to the Department.

3. Containers of hazardous waste not dated, in violation of 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(2). Several of the red, two-cubic yard dumpsters containing paint solids were not dated or were not remarked with the most recent start date of waste accumulation. MCDC must insure that all the two-cubic yard dumpsters are marked with the start date of waste accumulation. Documentation and/or written certification this has been done must be submitted to the Department.

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> The two-cubic yard dumpsters are considered to be less-than-90-day storage areas and must be marked with all the information specified in 40 CFR 262.32.

4. Satellite containers of hazardous waste not marked and dated, in violation of 10 CSR 25-5.262(2)(C)3. A 55 gallon drum containing paint waste was observed in the paint storage room located next to the large paint booth in Building 2. The drum had no marking and was not dated.

MCDC accumulates waste rags and other solids in numerous 5, 10, 15, and 30 gallon containers located throughout the facility. Many of the containers were marked "HAZARDOUS SOLID WASTE - EMPTY EVERY NIGHT". Several of the containers contained no marking. These containers are considered to be satellite accumulation containers.

All satellite accumulation containers of hazardous waste must be marked with the words "HAZARDOUS WASTE," or with other words that identify the contents of the containers, as well as with the beginning date of satellite storage. Documentation and/or written certification this has been done must be submitted to the Department.

5. The storage of hazardous waste in the permitted area for over one year, in violation of 10 CSR 25-5.265(1) incorporating 40 CFR 268.50(c). A 55 gallon drum containing cyanide waste was observed in Area 2 of the permitted storage area (Building 27 Scrap Dock). The date on the drum indicated that it had been in storage since 1989.

The Land Disposal Restrictions only allow the storage of hazardous waste at a permitted facility for up to one year. However, hazardous waste may be stored for over one year if such storage was solely for the purpose of accumulation of such quantities of hazardous waste as are necessary to facilitate proper recovery, treatment, or disposal. MCDC must dispose of all hazardous waste that has been stored for over one year at the facility or must submit information to the Department that shows that this length of storage was necessary in order to facilitate proper recovery, treatment, or disposal.

6. Failure to obtain approval for a change in the resource recovery operation, in violation of 10 CSR 25-9.020(3)(E)1. MCDC has ceased the distillation of waste MEK in Building 27 due to the distillation units age and deteriorating performance. The Department was not notified of the closure of this unit.

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MCDC must submit a written notification to the Hazardous Waste Program that describes the closure and disposition of the distillation unit, as well as how any hazardous waste that was not recycled prior to closure was managed. A copy of the request should also be sent to this office.

CLOSURE INSPECTION REPORT

At the request of the Hazardous Waste Program, a closure inspection was conducted of the Building 28 waste tank and the Area 3 container storage area. The inspection was conducted in order to verify that these units were no longer being used for the storage of hazardous waste.

The findings of the visual inspection are contained below:

Building 28 Waste Tank - This unit originally consisted of a 5,000 gallon underground tank that was used to store waste jet fuel. The tank was removed and replaced with a double-wall tank. Waste jet fuel stored in the tank is currently used as a fuel in the facility's boiler and, as a result, is not considered a solid waste. MCDC requested removal of this tank from the permit. Sampling conducted by MCDC indicated that the area around the tank contained no contamination. The visual site inspection indicated that the unit is not being used for the storage of hazardous waste. No visual contamination was observed around the area.

Building 10 Explosives Storage Area (Area 3) - This building was used to store Class B and C explosives. MCDC ceased the storage of explosives and requested that this unit be removed from the permit. Sampling conducted by MCDC indicated that there was no contamination in the building. The visual site inspection indicated that the building was being used for electrical equipment storage and that the building was not being used for the storage of hazardous waste. No visual contamination was observed around the area.

Questions concerning the compliance evaluation inspection section of the report should be addressed to the undersigned.

Questions concerning the closure inspection should be addressed to Mr. Brian McCurren of the Hazardous Waste Program - Permits Section at (314) 751-3176.

PREPARED BY:

Joseph L. Trunko

Environmental Specialist II

APPROVED BY:

Mike Struckhoff

Unit Chief, Hazardous Waste

JLT/jh

Attachments



MISSOURI DEPARTMENT OF NATURAL RESOURCES HAZARDOUS WASTE PROGRAM LARGE QUANTITY GENERATOR

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LQG-INSP

INSPECTION RECORD AND CHECKLIST

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Joe Haake, Group Manager - Wast	· Mariana	t	•	
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A		ENERAL		
	. [2	CSR 25-5.262 (2)(A)	GGR	COMMENTS
2	. []	Facility determines if waste is hazardous - 10 CSR 25-5.262(1) incorporating 40 CFR 262.11	GGR	
3	. 🖸	Utilizes a licensed hazardous waste transporter - Section 260.380.1 (5) RSMo	GGR	
4		Utilizes authorized HW,TSD or RR facility - Section 260.380.1(7) RSMo	COR	
-		Facility does not operate as a TSD - Section 260.390(1) RSMo	-	1
-	27	7 201117 3063 Not operate 25 a 13D - Section 200.390(1) H5M0	GGR	
		PART 1: WALK-THROU	GH IN	ISPECTION
В	. PF	RETRANSPORT, CONTAINERIZATION & STORAGE		
1	. 9	Storage does not exceed 90 days or 180/270 days if facility generates < 1000 Kg/month - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)	GPT	COMMENTS
	. 🖸		GPT	
3	. I	Waste compatible with container - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.172	GPT	
4	. 🖸	Containers closed in storage - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.173(a)	GPT.	<u>(i)</u>
	. d	Containers storing incompatible waste separated or protected from each other by a dike, berm or wail - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.177(c)	GPT	
6		Container storage areas have a containment system if holding more than 1000 Kg of liquid hazardous waste - 10 CSR 25-5.262 (2)(C)2.B.(I)	GOR	
7.	2	Base of containment system is imprevious and free of cracks or gaps - 10 CSR 25-5.262 (2)(C)2 B.(III)(a).	GOR	
8	3	Containers protected from contact with accumulated liquids - 10 CSR 25-5.262(2)(C)2.B.(III)(b)	GOR	
9	Z	Capacity of containment system = 10% of waste volume or volume of largest container, whichever is greater - 10 CSR 25-5.262(2)(C)2.B.(III)(c).	GOR	
10	7	Run-on onto the containment system is prevented or excess capacity is provided - 10 CSR 25-5 262(2)(C)2.B.(III)(d).	GOR	
11		Accumulated liquids removed to prevent overflow of containment - JO CSR 25-5 262(2)(C)2 B.(III)(e).	GOR	
12		Containers of ignitable or reactive waste stored >50 ft. from property line (or meet requirements) - 10 CSR 25-5.262(2)(C)5. referencing 40 CFR 265 176 as amended by 10 CSR 25-7.265(2)(I)7 and 8.	GPT	
13	7	Containers clearly marked "hazardous waste" - 10 CSR 25-5.262(1) incorporating 40 CFR 262 34(a)(3)	GPT	
14		Waste packaged/labeled/marked per DOT during entire on-site storage period - 10 CSR 25-5 262(2)(C)1	GOR	
15		Date of accumulation marked on containers - 10 CSR 25-5.262(1) uncorporating 40 CFR 262.34(a)(2)	GPT	
16		Facility inspected and maintained (weekly) - 10 CSR 25- & 262(2)(C)2.A.(I) and (II) referencing 40 CFR 265.174	GPT	
17	7	Daily inspection of areas subject to spills, i.e., waste handling areas - 10 CSR 25-5.262(2)(C)2.A.(II)	GOR	
18.		Adequate aisle space is available - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.35	GPT	
19.	3	Placards available for transporter - 10 CSR 25-5.262(1) incorporating 40 CFR 262.33	GPT	
20.		"No Smoking" signs conspicuously placed by ignitable or reactive wastes - 10 CSR 25-5 262(2)(C)2.D(II)	GOR	
21		Waste oil containers in good condition, labeled and closed - 10 CSR 25-11.010(3)(C)	GOR	
C.	SA	ATELLITE ACCUMULATION		<u></u>
	d	Containers kept closed - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(c)(1)(i) referencing 40 CFR 265.173(a)	GPT	COMMENTS

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2 2 0	containers in good condition GFR 262.34(c)(1)(i) reference	on - 10 CSR 25-5.262(1) in ing 40 CFR 265.171	ncorporating 40	GPT	COMMENTS	
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6(□)c	Container marked identifying 262(2)(C)3		ate - 10 CSR 25-	GOR		
	tored in satellite areas less (than 1 year - 10 CSR 25-5.	262(2)(C)3.	GOR		
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ec	dequate and proper spill quipment available (fire blan 10 CSR 25-5 262 (2)(C)2.E.	control, decontaminati kets, respirators, SCBA, a	on and safety bsorbents, etc.)	GPT		
3. 🗖 🗛	dequate water supply and fir corporating 40 CFR 262.34(re control equipment - 10 (OSR 25-5.262(1)	GPT		
4. 🗂 De	evice in the hazardous was mergency assistance - 0 CFR 262.34(a)(4) reference	te operation area capable	of summoning	GPT		
5. Te	elephone or two-way radio re or police department CFR 262.34(a)(4) referenci	on-site and capable of su	immoning local incorporating	GPT		
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E. LQG TAN 1 2. 3. 4. 5. 1. Sp dis 26: 26: 2. Ov ala 40 3. Sur CS 40 4. Wa inc 5. Inc inc 6. Ign lgn	TANKS NK DESIGNATION NK DESIGNATION No Hww storage in place of the second couplings - 10 CS 2.34(a)(1) referencing 40 CS 10 CFR 262.34(a)(1) referencing 40 CFR 262.34(a)(1) referencing 40 CFR 262.34(a)(a) incorporate CFR 265.194(b)(b) The second couplings in the second coupling 40 CFR 262.34(a) incorporate CFR 262.34(a) incorporate CFR 265.194(b)(a) in the second coupling 40 CFR 262.34(a) incorporating 40 CFR 262.34(a) incorpo	ace and operating e.g. ches SR 25-5.262(1) incorpor FR 265.194(b)(1) In place and operating etc 10 CSR 25-5.262(1) ing 40 CFR 265.194(b)(2) The place and operating etc 10 CSR 262.34(a)(1) The place and operating etc 10 CSR 262.34(a)(1) The place and operating etc 10 CSR 262.34(a)(1) The place and operating etc 10 CSR 262.34(a)(1) referencing 40 CFR 263(1) refe	capaci ceck valves, dry ating 40 CFR e.g. high level) incorporating rertopping - 10 1) referencing SR 25-5.262(1) 265.194(a) SR 25-5.262(1) 265.199(a)	GPT GPT		AGE

А	d	Volatiles with vanor processes > 70 0 000	W.F.
		Volatiles with vapor pressure > 78 mm @ 25 °C not placed in open tanks - 10 CSR 25-5.262(2)(C)2.D.(I)	GOF
9.		Wastes and residues removed as hazardous waste and tank and equipment decontaminated upon closure - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.197(a)	GPT
10.		Secondary containment system provided for tanks and equipment; installed after July 14, 1986; storing dioxin waste; over 15 years old; of unknown age in facility over 15 years old; repaired, replaced or reinstalled after July 14, 1986 - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.193(a)	
11	7	Secondary containment system constructed of or lined with impervious waste compatible material - 10 CSR 25-5.262(1) incorporating 40 CFR 262 34(a)(1) referencing 40 CFR 265 193(c)(1)	GPT
12	Z	Containment system supported by base capable of preventing failure due to settlement, compression or uplift - 10 CSR 25-5.262(1) incorporating 40 CFR 262 34(a)(1) referencing 40 CFR 265 193(c)(2)	GPT
13	Ī	Containment system provided with a leak detection system capable of detecting a release within 24 hours - 10 CSR 25-5 262(1) incorporating 40 CFR 262 34(a)(1) referencing 40 CFR 265 193(c)(3)	GPT
14	d	Containment system sloped or designed to drain and remove liquids - 10 CSR 25-5.262(2)(C)2.C referencing 10 CSR 25-5.262(2)(C)2.B (III)(b)	GOR
15	7	Containment system capable of containing 100% of the capacity of the largest tank - 10 CSR 25-5.262(2)(C)2 C referencing 10 CSR 25-5.262(2)(C)2.B.(III)(c)	GOR
16.		Containment system free of cracks or gaps - 10 CSR 25-5.262(2)(C)2.C. referencing 10 CSR 25-5.262(2)(C)2.B. (III)(a)	GOR
17		Run-on onto containment system prevented or excess capacity is provided - 10 CSR 25-5 262(2)(C)2.C referencing 10 CSR 25-5 262(2)(C)2.B.(III)(d)	GOR
18.		Spilled or leaked waste and precipitation removed from secondary containment within 24 hours or as soon as possible - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.193(c)(4)	GPT
19 T	7	Tanks are clearly labeled or marked "Hazardous Waste" - 10 CSR 25-5 262(1) incorporating 40 CFR 262.34(a)(3)	GPT
20. [3	Daily inspections of overfill/spill control equipment, aboveground portions of tank system, secondary containment, and data gathered from monitoring equipment - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.195(a)	GPT
1 [3	Inspection log maintained - 10 CSR 25-5.262(1) incorporating 40 CFR 262 34(a)(1) referencing 40 CFR 265.195(c)	GPT
2. [3	Cathodic protection systems inspected annually, impressed current	GPT
3. [(Detailed written assessment by an independent, qualified, professional engineer for tanks installed after July 14, 1986, prepared and on-site-10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.192	GPT
4. [ا اح <u>د</u>	Written assessment by an independent, qualified, professional engineer prepared and on-site for tanks lacking secondary containment - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.191	GPT
5. [1 _/	Leak test, internal inspection or tank integrity exam performed annually and documented, by an independent, qualified, professional engineer for tanks lacking secondary containment - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265.193(i)	GPT
6. E	6	Leak/spill response resulted in: waste flow stopped immediately; waste removal; containment and removal of visible releases to the environment; notification and report; and repair or closure - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(1) referencing 40 CFR 265 196	GPT

10				
		PART 2: RECORDS	NSPE	ECTION
F	. М	ANIFESTS		
1	. Œ	Facility uses manifest system - 260.380.1.(6) RSMo, and 10 CSR 25-5.262(2)(B)	GMR	COMMENTS
2	. [Records maintained for a 3-year period - 10 CSR 25-5.262(1) incorporating 40 CFR 262.40(a)	GRR	
3		Generator's MO & EPA I.D. Numbers - 10 CSR 25-5 262(2)(B)	GOR	
4	. [Manifest document, ID and consecutive shipment numbers - 10 CSR 25-5 262(2)(B)2 A	GOR	
	. [2	5.262(2)(B)2.	GMR	
_		All transporters' names, phone numbers, MO & EPA I.D.#'s, license plate # - 10 CSR 25-5 262(2)(B)2.	GMR	
7	. C	Designated facility name, address, phone, MO & EPA I.D. #, - 10 CSR 25-5.262(2)(B)2.	GMR	
8	. [2	DOT shipping name, Hazard Class and waste I.D. # (RQ - if required) - 10 CSR 25-5 262(2)(B)2.	GMR	
9		Containers, quantity and specific gravity designated - 10 CSR 25-5.262(2)(B)2.	GMR	
10	. [Manifest signed and dated - 10 CSR 25-5.262(2)(B)2.	GMR	
11	. <u>C</u>	Out of state manifests have all required MO information - 10 CSR 25-5.262(2)(B)4 A.	GOR	
		Manifest continuation sheets are not used - 10 CSR 25-5.262(2)(B)1.	GOR	
13		Manifest returned within 35 days - or exception report submitted within 45 days - 10 CSR 25-5 262(2)(D)2.C	GRR	
		Summary Manifest Reports and manifest copies sent to DNR quarterly - 10 CSR 25-5.262(2)(D)1.	GOR	
		AND DISPOSAL RESTRICTIONS		
1.	נ	Tests waste or uses knowledge of waste to determine if the waste is restricted from land disposal - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a)	GLE(COMMENTS
2.	<u> </u>	Dilution of waste to meet LDR treatment standards is not occurring - 10 CSR 25-7.268(1) incorporating 40 CFR 268.3(a)	GLB	
		"Land-Bag" notification/certification, sent with manifests and retained on-site for five years - 10 CSR 25-7.268(1) incorporating 40 CFR 268.7(a)	GLB	
		Notification/certification includes correct EPA Hazardous Waste number, corresponding treatment standards, manifest number, and waste analysis data - 10 CSR 25-7 268(1) incorporating 40 CFR 268.7(a)	GLB	
5.	٢	Waste analysis plan on-site and utilized if generator treats hazardous waste in tanks or containers to meet LDR treatment standards - 10 CSR 25-7 268(1) incorporating 40 CFR 268.7(a)(4)	GLB	
Н.		RSONNEL TRAINING		
1.		Personnel are trained to respond to emergencies including the use of alarm systems, emergency equipment and contingency plan - 10 CSR 25-5 262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(a)(3).	GPT	COMMENTS
2.	<u></u>	Employees do not work in unsupervised positions until they have completed the training - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(b)	GPT	·
	3	Training reviewed annually - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(c)	GPT	
4.		Program director trained in hazardous waste management procedures - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing A0 CFR 265.16(a)(2)	GPT	
5.		Personnel training plan on-site - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(d)	GPT	

6	Gives job title, job description and name of employee filling each position - 10 CSR 25-5 262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(d)(1) and (2)	GPT	COMMENTS
7.	Written description of introductory and continuing training that will be given to each position - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(d)(3)	GPT	
8.		GPT	
9 (Records of current personnel maintained until facility closure, former employee records maintained for at least three years - 10 CSR 25-5 262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.16(e)		
I. C	CONTINGENCY PLAN		
1. [GPT	COMMENTS
2, [Plan submitted to local emergency response agencies - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.53(b)	GPT	
3. [Emergency coordinator on-site or on call - 10 CSR 25-5 262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.55	GPT	
4 [Plan describes actions personnel must take in response to fires, explosions or other releases of hazardous waste - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.52(a)	GPT	
5. [Describes arrangements with emergency response agencies - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.52(c)	GPT	
6. [Lists names, addresses and phone numbers (home and office) of emergency coordinators - 10 CSR 25-5 262(1) incorporating 40 CFR 262 34(a)(4) referencing 40 CFR 265.52(d)	GPT	
7.	Primary emergency coordinator designated - 10 CSR 25-5.262(1) incorporating 40 CFR 262.34(a)(4) referencing 40 CFR 265.52(d)	GPT	
8. [GPT	
	Evacuation plan, if applicable, designates primary and secondary routes and evacuation signal - 10 CSR 25-5.262(1) incorporating 40 CFR 262 34(a)(4) referencing 40 CFR 265.52(f)	GPT	
	VASTE OIL		
	Waste oil is managed properly and not disposed of into the environment - 10 CSR 25-11.010(1)(D).	GOR	COMMENTS
<u></u>	Listed hazardous waste mixed with waste oil is handled as a hazardous waste - 10 CSR 25-11.010(1)(C)2.	GOR	
3. L	11.010(2)(A)	GOR	
4.	Written waste oil contract maintained - 10 CSR 25-11.010(4)(C)	GOR	
5. L	Uses a licensed transorter and receiving facility - 10 CSR 25-11.010(4)	GOR	
	RESOURCE RECOVERY	101,000 to 101	
1. L	RR certification for energy recovery or reclamation of waste oil or hazardous waste on-site - 10 CSR 25-9.020(1)(A)3.	-	COMMENTS
2. [_/_	GOR	
3. [Facility is classified as U, R1 or R2 accurately - 10 CSR 25-9.020(3)(A).	GOR	
4.	Facility meets the operating conditions of certification - 10 CSR 25-9.020(30)(E)3.	GOR	
5.	Facility has submitted a written request and received approval from the DNR for all changes in operation including closure - 10 CSR 25-9 020(3)(E) 1, and 2.	GOR	a = = = = = = = = = = = = = = = = = = =
MO 780	-0854 (7-92)		LOG PAGE 6 OF

6. Facility report submitted to DNR quarterly - 10 CSR 25-9.020(3)(E)6 referencing 10 CSR 25-7.264(2)(E)3	GOR	COMMENTS
7 Facility maintains a written operating record - 10 CSR 25-9.020(3)(E)5, referencing 40 CFR 264.73(b)(1) & (2) as modified by 10 CSR 25-7.264(2)(E)2.	GOR	
8. Facility has notified EPA and the state that it qualifies for a small quantity on-site burner exemption or has interim status or a permit if it burns hazardous waste on-site - 10 CSR 25-7.266(1) incorporating 40 CFR 266.108 and 40 CFR 266.103.	GOR	
9. R2 facility uses an adequate sampling and analysis plan to assess incoming shipments - 10 CSR 25-9.020(3)(C)1.	GOR	
10. R2 facility maintains a daily log of manifest number, wastes received, disposition of waste and corresponding sampling data - 10 CSR 25-9.020(3)(C)2.	GOR	
11. TR2 facility has a written closure plan which meets 40 CFR 264.112 requirements - 10 CSR 25-9.020(3)(C)3.	GOR	
12. R2 facility provides financial assurance for closure - 10 CSR 25-9.020(3)(C)4.	GOR	
CHECKLIST KEY		
Check the 🗹 if in compliance.		
Circle the if not in compliance and provide comment.		
N/A = Not Applicable		
A shaded item is a serious deviation from the requirements (Class I vi	olatio	n)
An unshaded item is a significant deviation from the requirements (Cl	ass II	violation unless conditions warrant Class I)
COMMENTS INCLUDE DISCUSSION OF FACILITY'S WASTE MINIMIZATION PL	AN	
•		
Λ		
INSPECTOR'S SIGNATURE		DATE
		5-18-95

LOG PAGE 7 OF 7

MO 780-0854 (7-92)



MISSOURI DEPARTMENT OF NATURAL RESOURCES NOTICE OF VIOLATION PURSUANT TO REQUIREMENTS OF THE MISSOURI HAZARDOUS WASTE MANAGEMENT LAW, RULES AND REGULATIONS

3647

FACILITY NAME		1			
Mc Donnell Douglas G	rperation - In	act I			
McDonnell & Lindbergh Bluz.	CITY Hazelwi	uo d		STATE	ZIP CODE (3042
MISSOURI ID NUMBER OUL OOL		DATE OF INSPECTION	-25-95	•	
During an inspection and/or a review of in requirements of the Missouri Hazardous Was 10 CSR 25 the following violations were id the Missouri Hazardous Waste Regulations.	te Management Law, S	Section 260.350 - 260.550	RSMo, an	d/or the Rul	es and Regulations
CITATION		DESCRIPTION OF	F VIOLATIC	N	
40 CFR >62-34(0)(2)	Schollite containers of filling.	ef hazne does whate not	- put in	stillinge wi	Hin 3 days
40 CFR 265.35	Inadequate aisle	space in Bldg 37	scrap dic	k (Arma	x) storage
40 (FR 262.34 (a) (a)	Date accumulat	tich not marked ch	containe	ef Hu ((9 24 grange 176 (9)
10 (SR 25-5.262(2)(c) 3.	Sutillité contain	ness of HW not do	regung .	norked	South are to desert
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			·		
	77		·		
This information is provided to call your att not constitute a compliance order issued pwhich may be identified as a result of this institution.	ursuant to Section 26				
The owner/operator is hereby requested to actions taken and/or a schedule for completic Waste Program, Department of Natural Regional Off	on of necessary correc	tive actions to be taken to	o: Chief, Éi	iforcement :	Section, Hazardous,
The corrective actions taken within 15 days the assessment of civil penalties, should be i		considered in determinin	•		nt action, including
If you have any questions on this notice or wat (314) 532-0161 or Tem J		ponse, you may call at314) 75	Joe 7 1-3176	-runko	
Signature of Preparer	h		Dat	e <u> </u>	-25-95
The undersigned person hereby acknowledg	es that he/she receive	d a copy of this Notice a	nd has rea	d same.	
SIGNATURE /		PRINTED NAME			
el - corre		DATE 4 - 25 - 9	er E		(Z)
TITLE Second		DATE			
GRUP MER		4-25-9	5		

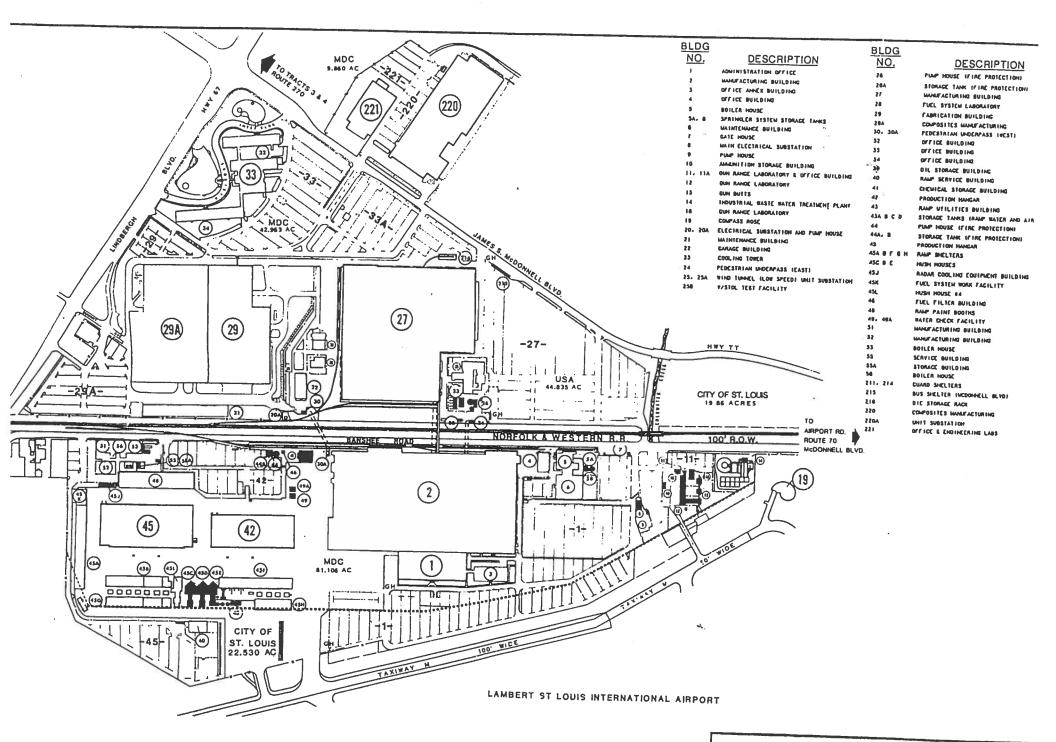


MISSOURI DEPARTMENT OF NATURAL RESOURCES

NOTICE OF VIOLATION PURSUANT TO REQUIREMENTS OF THE MISSOURI HAZARDOUS WASTE MANAGEMENT LAW, RULES AND REGULATIONS

3647

Mc Donnell Douglas G	erperation - To	act I			
McDennell & Lindbergh Blud.	CITY Hazelw			STATE	ZIP CODE
	Hazelm	DATE OF INSPECTION		_MD	(3042
MISSOURI ID NUMBER OOL OOL		4-	25-95	•	
During an inspection and/or a review of in requirements of the Missouri Hazardous Was 10 CSR 25 the following violations were id the Missouri Hazardous Waste Regulations.	te Management Law, :	Section 260.350 - 260.550 F	RSMo, and	d/or the Rul	es and Regulations
CITATION		DESCRIPTION OF			
40 CFR 262-34(c)(2)	satellite containers of filling.	of hazne dus whiste not	bot in	stimpe wi	thin 3 days
40 (FR 265.35	Inadequate aisle	space in Bldg d7 So	crop dec	k (Arna i	3) storage
40 (FR 262.34 (a) (a)	Date accumula	tion not mo-ked on c	ontaine	of HM ((924) growity (926)
10 (SR 25-5.262(2)(c) 3.	Sutellite conta	iners of HW not do	kdang r	norked	(sullan reture)
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al and a second		I			
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This information is provided to call your attent not constitute a compliance order issued purchased may be identified as a result of this install.	ursuant to Section 26	of noncompliance at the 0.410, RSMo and may no	earliest p	ossible time mplete listi	e. This notice does ng of all violations
The owner/operator is hereby requested to actions taken and/or a schedule for completic Waste Program, Department of Natural Regional Off	submit in writing with on of necessary correct esources, P.O. Box ice, 16805 Succession	in 15 days of receipt of the tive actions to be taken to: 176, Jefferson City, MC	nis notice Chief, En	a description of the second of	on of all corrective Section, Hazardous y to the Director,
The corrective actions taken within 15 days the assessment of civil penalties, should be in	of this notice will be on the original of the original or	considered in determining			nt action, including
If you have any questions on this notice or wi		ponse, you may call	Joe T - 3176	runko	
Signature of Preparer	al		Date	-· . 4-	25-95
The undersigned person hereby acknowledge	es that he/she receive	d a copy of this Notice and			
SIGNATURE ,					
el Hamino		PRINTED NAME	e .ii		
TITLE		DATE 4 - 25 - 93	5. II		
GRAVIS MGR		4-25-93			







McDonnell Douglas Aerospace

January 25, 1995 064C-3476-SYJ

Missouri Department of Natural Resources Waste Management Program P.O. Box 176 Jefferson City, Missouri 65102

Enclosed is our Generator's Hazardous Waste Summary Report, and Facility Summary Report for the fourth quarter of 1994.

If you have any questions, please call Joe Haake at (314) 232-6941.

Sincerely,

Shelia Y. Johnson

Senior Departmental Assistant

Environmental and Hazardous Materials Services

Dept. 064C, Mailcode 1111099

(314) 234-6701

syj

Enclosures



MISSOURI DEPARTMENT OF NATURAL RESOURCES HAZARDOUS WASTE PROGRAM P.O. BOX 178 JEFFERSON CITY, MISSOURI 65102 (314) 751-3176

GENERATOR'S HAZARDOUS WASTE SUMMARY REPORT - PART I

information, including the possibility of fine and imprisonment.

PRINT NAME

ROBERT H. KAATHAN

SIGNATURE

MCDONMELL DOUGLAS CORPORATION TRACT I CONTACT: JOE HAAKE MCDONNELL & LINDBERGH BLVO. MO 63042 HAZELWOOD

EPAID=M00000818963

SENERATIAS EPATO HUMBER

MOID=001001

GENERATORS HISSOURITE HUNGER

DATE

MANIFEST SULTURAL REPORT

SUMMARY REPORT - PART I	DEPARTMENT IN THE ADORE		RATOR I	O. 1. O. O. 1 D HUUSERS ARE ASSIGNED TO YOU MUST NOTIFY THE CHANGES
PLEASE READ INSTRUCTIONS AND EITHER SECTION A - REPORT IDENTIFICATION TYPE OF REPORT (CHECK ONE) OUARTERLY ANNUAL (IF ANNUAL CHECKED, PLACE X IN 6-30 BOX) SECTION B - GENERATOR IDENTIFICATION NOTE: Any change in either the mailing or site address from I GENERATOR'S NAME SAME AS LABEL	2 FOR THE PERIOD ENDING 9-30(YEAR) 3-31(YEAR)	() 6-30- (YEA	A) -	PAGE 1 of 9 Department.
MCDONNELL DOUGLAS CURPURATION GENERATOR CONTACT PERSON (NAME) D SAME AS LABEL JOE HAAKE		314-232-	3319	ZIP COOE
P.O. BOX 516, MAIL CODE 1111099 P.DUIT SITE ADDRESS SAME AS LABEL	ST. LOUÌS		HO STATE HO	63166 2# COOE 63042
LINDBERGH & MCDONNELL BLYD. NAME OF PARENT FIRM MCDONNELL DOUGLAS CORPORATION	HAZELWOOD		OFFICE USE	ONLY
SMIPPED OFF-SITE. Complete part 2, attach completed hazardous waste manifests, sign cartification and transmit to the department. SECTION D - COMMENTS 12.	DULLYTITY NOT GENERATED SAN I bendand to the department (Do no I	OFF-SITE T	HIS OUTATI ON IDO NOT	ER Sign benAcation and transmit to complete Part 20
			,	•
SECTION E-CERTIFICATION STATEMENT I certify under penalty of law that I have personally exam documents and that based on my inquiry of those in	nined and am familiar windividuals immediately (complete. I am aware that	ith the information esponsible for our there are signi	on submit obtaining ficant pe	tled in this and all attach the information, I belie natties for submitting fa

that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false



MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102
(314) 751-3176
GENERATOR'S HAZARDOUS WASTE
REPORT SUMMARY SHEET - PART II

8	BEFORE COPYING FORM, ENTER THE GENERATOR'S NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART L
	GEHERATOR KAME
	McDonnell Douglas Corporation
	M. O. D. O. O. 8. 1. 8. 9. 6. 3
	UNSSOUNITO NUMBER 0 .0 .1 .0 .0 .1

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Heritage Environmental Services, Inc. I'N' D'0' 9' 3' 2' 1' 9' 0' 1												.8.0.1.5
7901 West Morris Street											D. NUKBER	
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TO4: Precipitation, reduction, neutralization, filtration, coagulation, fixation, and discharge of POTW.

MANIFEST SUUMARY REPORT DER -----



MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102
(314) 751-3176
GENERATOR'S HAZARDOUS WASTE

REPORT SUMMARY SHEET - PART II

6	BEFORE COPYING FORM, ENTER THE GENERATOR'S NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART L
1	DEHERATOR WAVE
	McDonnell Douglas Corporation
	M. 0. D. 0. 0. 8. 1. 8. 9. 6. 3
	MISSOURIED HUGSER

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TO4: Precipitation, reduction, neutralization, filtration, coagulation, fixation, and discharge to POTW.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 178
JEFFERSON CITY, MISSOURI 65182
(314) 751-3176
GENERATOR'S HAZARDOUS WASTE

REPORT SUMMARY SHEET - PART II

3	BEFORE COPYING FORM, ENTER THE GENERATOR'S HAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART L
	DEMERATOR HAME
	McDonnell Douglas Corporation
	M. O. D. O. O. 8. 1. 8. 9. 6. 3
	MISSOURIED HUNDER

ATTENTION: Summarize all shipments made to the Hazardous Waste Management Facility you have identified in Section G below. Additional pages are required for each off-site management facility villized. SECTION G-FACILITY IDENTIFICATION. SECTION G-FACILITY IDENTIFICATION.	H	OTE PLEASE READ INSTRUC	TIONS	AND EIT									
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TO4: Precipitation, reduction, neutralization, filtration, coagulation, fixation, and discharge to POTW.

MANIFEST SUMMARY REPORT DIR -------



MISSOURI DEPARTMENT OF NATURAL RESOURCES
HÁZARDOÙS WASTE PROGRAM
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102
(314) 751-3176
GENERATOR'S HAZARDOUS WASTE

8	BEFORE COPYING FORM, ENTER THE GENERATOR'S HAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART L
	GENERATOR HAME
	McDonnell Douglas Corporation
	M. O. D. O. O. 8, 1, 8, 9, 6, 3
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	REPORT SUMMA	RY SHEE	T - PART II	MISSOURITO NO		0.1.0.0.1				
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P.O. BOX 176 JEFFERSON CITY, MISSOURI 45102 (314) 751-3176 GENERATOR'S HAZARDOUS WASTE REPORT SUMMARY SHEET - PART II

MISSOURI DEPARTMENT OF NATURAL RESOURCES BEFORE COPYING FORM, ENTER THE GENERATOR'S HAME HAZARDOUS WASTE PROGRAM GENERATOR HAME McDonnell Douglas Corporation CPA 10 HUMBER M. 0. D. 0. 0. 0. 8. 1. 8. 9. 6. 3 MISSOURIED MINISCR ■0.0.1.0.0.1

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MISSOURI DEPARTMENT OF NATURAL RESOURCES HAZARDOUS WASTE PROGRAM P.O. BOX 176

JEFFERSON CITY, MISSOURI 45102 (314) 751-3176

GENERATOR'S HAZARDOUS WASTE REPORT SUMMARY SHEET - PART II

BEFORE CO	PYING FORM	, ENTER THE	GENERATOR'S	NAME
AND IDENTI	FICATION NU	MBERS AS SH	OWN ON PART L	

GENERATOR HAME

McDonnell Douglas Corporation

CPA IO HUMBER

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TO4: Precipitation, reduction, neutralization, filtration, coagulation, fixation, and discharge to POTW.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102
(314) 751-3176
GENERATOR'S HAZARDOUS WASTE

REPORT SUMMARY SHEET - PART II

BEFORE COPYING FORM, ENTER THE GENERATOR'S NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART L

OLHCANION NAME

McDonnell Douglas Corporation

EPA 10 NUMBER

M.O.D.O.O.O.B.1.8.9.6.3

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MISSOURI DEPARTMENT OF NATURAL RESOURCES HAZARDOUS WASTE PROGRAM P.O. BOX 176 JEFFERSON CITY, MISSOURI 45102 (314) 751-3176 GENERATOR'S HAZARDOUS WASTE

REPORT SUMMARY SHEET - PART II

BEFORE COPYING FORM, ENTER THE GENERATOR'S HAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART L

OCHERATOR NAME

McDonnell Douglas Corporation

M.O.D.O.O.B.1.8.9.6.3

MISSOURIED HUDGER

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MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102
(314) 751-3176 ...

FACILITY SUMMARY REPORT PART I

BEFORE COPYING FORM, AT ENTER:	TACH SIT	E IDE	NTIF	CA	TIO	N L	BEL	OR
FACILITY NAME								
McDonnell Douglas Co	rporati	ion -	Ir	ac	t I			
Jospeh Haake				_				
SITE STREET ADDRESS (DO NOT ENTER P.O. BO	OX)							
Lindbergh & McDonnel	1 Blvd.	•			1			
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NOTE > PLEASE READ INSTRUCTIONS AND EITHER P	RINT OR TYPE				
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IMPORTANT: ALL MISSOURI BASED FACILITIES THAT RECLAIM, TREAT	1. FOR THE PERIOD	ENDING (CHECK O	NE & FILL IN YEAR) 2. PAGE	
STORE, OR DISPOSE HAZARDOUS WASTE ON-SITE SHALL REPORT THE TYPE, QUANTITY AND HANDLING METHOD USED FOR EACH WASTE	9-30(Y	FAR) [X] 12-31	94 (YEAR)	<u> </u>	-
RECEIVED FROM ALL SOURCES. ALL FACILITIES MUST REPORT				1 OF 16	
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SECTION B - FACILITY IDENTIFICATION *			就是自己		
3. FACILITY NAME SAME AS LABEL				* we.*	
McDonnell Douglas Corporation		1			
4. FACHLITY CONTACT PERSON (NAME) A SAME AS LABEL		TELEPHONE NUM		100	
Jospeh Haake		(314) 232			
5. MAILING ADDRESS	CITY		STATE	ZIP CODE	
P.O. Box 516, Mailcode 1111099	St. Louis		MO	63166	
6. PLANT SITE ADDRESS SAME AS LABEL	CITY		STATE	ZIP CODE	
Lindbergh & McDonnell Blvd.	Hazelwood		MO	63042	
7 NAME OF PARENT FIRM		, "	OFFICE USE OF	NLY SEE	
McDonnell Douglas Corporation	11			· 1000年第二	
SECTION C - COMMENTS					

SECTION D - CERTIFICATION STATEMENT:

I certify under penalty of law that I have personally examined and am familiar with the Information submitted in this and all attached documents and that based on my inquiry of those individuals immediately responsible for obtaining the information. I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

PRINT NAME

SIGNATURE

DATE

23 Jan 91

Robert H. Kaatman

1 181.1



MISSOURI DEPARTMENT OF NATURAL RESOURCES HAZARDOUS WASTE PROGRAM P.O. BOX 176

JEFFERSON CITY, MISSOURI 65102 (314) 751-3176

FACILITY SUMMARY REPORT PART II

BEFORE COPYING FORM, ENTER THE FACILITY NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.

FACILITY NAM

McDonnell Douglas Corporation

FACILITY'S EPA

100000818963

FACILITY'S MISSOURI I D. NUMBER

R.R.O.2.6.8

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MISSOURI DEPARTMENT OF NATURAL RESOURCES HAZARDOUS WASTE PROGRAM

P.O. BOX 176

JEFFERSON CITY, MISSOURI 65102
(314) 751-3176

FACILITY SUMMARY REPORT PART II

BEFORE	COPYING	FORM,	ENTER	THE	FACILITY	NAME	AND
IDENTIFI	CATION N	UMBER!	S AS SHO	NWC	ON PART I		

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA

M .0 .D .0 .0 .0 .8 .1 8 .9 .6 .3

FACILITY'S MISSOURI I D. NUMBER

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MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 178

JEFFERSON CITY, MISSOURI 65102 (314) 751-3176

FACILITY SUMMARY REPORT PART II

BEFORE	COPYING	FORM,	ENTER	THE	FACILITY	NAME	AND
IDENTIFIE	CATION N	UMBERS	AS SH	NWC	ON PART I	•	

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA

M.O.D.O.O.O.8.1.8.9.6.3

FACILITY'S MISSOURI I D. NUMBER

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MISSOURI DEPARTMENT OF NATURAL RESOURCES HAZARDOUS WASTE PROGRAM P.O. BOX 176 JEFFERSON CITY, MISSOURI 65102

FACILITY SUMMARY REPORT PART II

(314) 751-3178

BEFORE	COPYING	FORM, EI	NTER THE	FACILITY	NAME	AND
IDENTIF	CATION N	UMBERS A	S SHOWN	ON PART I		_

FACILITY NAME

FACILITY'S MISSOURI

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MISSOUR! DEPARTMENT OF NATURAL RESOURCES HAZARDOUS WASTE PROGRAM

P.O. BOX 178

JEFFERSON CITY, MISSOURI 65102 (314) 751-3176

FACILITY SUMMARY REPORT PART II

BEFORE	COPYING	FORM,	ENTER	THE	FACILITY	NAME	AND
IDENTIF	CATION N	UMBER	S AS SH	NWC	ON PART I	•	

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA

M.O.D.O.O.O.8.1.8.9.6.3

FACILITY'S MISSOURI

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	McDonnell Douglas Corporati	on				M'O	o, d, c	0081	8948
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MISSOURI. DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 176
JEFFERSON CITY, MISSOURI 65102
(314) 751-3176

FACILITY SUMMARY REPORT
PART II

MISSOURI. DEPARTMENT OF NATURAL RESOURCES BEFORE COPYING FORM, ENTER THE FACILITY NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA

M. O. D. O. O. O. 8. 1. 8. 9. 6. 3

FACILITY'S MISSOURI I D. NUMBER

R · R · O · 2 · 6 · 8

NOTE ▶ PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE												
SECTION E - REPORT IDENTIFICATION (AS SHOWN ON PART I)												
1 FOR THE PERIOD ENDING (CHECK ONE & FILL)		2. PAGE	NOTE: SUMMARIZE TH									
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McDonnell Douglas Corporati	on	SITE - CHECK THIS E	• L	MO	D 9	8096	8 4 5 7					
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servicing/painting	1 .5	F. 0.0.3 F. 0.0.5	3,450	P		S 0 1	T 0 3					
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MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 178

JEFFERSON CITY, MISSOURI 65102 (314) 751-3176

FACILITY SUMMARY REPORT PART II

BEFORE	COPYING	FORM,	ENTER	THE	FACILITY	NAME	AND
IDENTIFI	CATION N	JMBERS	S AS SHO	NWC	ON PART I	,	

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA

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FACILITY'S MISSOURI I D. NUMBER

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6 0	SENERATOR'S ADDRESS	CITY				ST	ATE ZIP CODE	7. GE	NERATOR	S MISSOURI I	NUMBER	A
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HAZAR DOUS WASTE PROGRAM
P.O. BOX 176
JEFFERSON CITY, MISSOURI 85102
(314) 751-3176

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BEFORE	COPYING	FORM,	ENTER	THE	FACILITY	NAME	AND
	CATION N						

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA

M 0 D 0 0 0 8 1 8 9 6 3

FACILITY'S MISSOURI

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MISSOURI DEPARTMENT OF NATURAL RESOURCES HAZARDOUS WASTE PROGRAM

P.O. BOX 176
JEFFERSON CITY, MISSOUR) 65102
(314) 751-3176

FACILITY SUMMARY REPORT PART II

BEFORE	COPYING	FORM,	ENTER	THE	FACILITY	NAME	AND
IDENTIF	CATION N	UMBERS	S AS SH	NWC	ON PART I		

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA

M.O.D.O.O.O.8.1 8 9 6 3

FACILITY'S MISSOURE I D. NUMBER

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-	OTE > PLEASE READ INSTRUC		The second second second	the same of the sa									
S	FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR) 2. PAGE NOTE: SUMMARIZE THE AMOUNT OF WASTE RECEIVED												
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NOTE >

HÁZARDOUS WASTE PROGRAM

PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE

P.O. BOX 178 JEFFERSON CITY, MISSOURI 65102 (314) 751-3176

FACILITY SUMMARY REPORT PART II

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McDonnell Douglas Corporation

FACILITY'S EPA

M·0·D·0·0·0 8·1 8·9 6·3

FACILITY'S MISSOURI I D. NUMBER

R · R · O · 2 · 6 · 8

2	ECTION E - REPORT IDENTIFICATI		SSHOWN	UN PART I)								-	
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MISSOURI DEPARTMENT OF NATURAL RESOURCES
HAZARDOUS WASTE PROGRAM
P.O. BOX 176
IEEEERSON CITY MISSOURI 46482

JEFFERSON CITY, MISSOURI 65102 (314) 751-3176

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FACILITY'S EPA IO NUMBER

M.O.D.O.O.O.B.1.B.9.6.3

FACILITY'S MISSOURI

■ R. R. O. 2. 6.8

	OTE > PLEASE READ INSTRUC									and Maria		No Beauti
S	FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR) 2. PAGE NOTE: SUMMARIZE THE AMOUNT OF WASTE RECEIVED											
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	Airport Rd. & McDonnell B		St.	Louis	МО	03134		0	0 1 2	4	8	7.
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BEFORE	COPYING	FORM,	ENTER	THE	FACILITY	NAME	AND
IDENTIF	CATION N	UMBERS	SASSH	NWC	ON PART I		• • • • •

FACILITY NAME

McDonne	Π	Doug	las	Corpor	ation
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FACILITY'S EPA

M. O. D. O. O. O. O. 8. 1. 8. 9. 6. 3

FACILITY'S MISSOURE I D. NUMBER

R. R. O. 2. 6. 8

N	OTE PLEASE READ INSTRUC	TIONS	AND EITH	ER PRINT	OR TYPE								\neg
S	SECTION E - REPORT IDENTIFICATION (AS SHOWN ON PART I)												
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	McDonnell Douglas Corpora	ation											٦
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HAZARDOUS WASTE PROGRAM P.O. BOX 176

JEFFERSON CITY, MISSOURI 65102 (314) 751-3176

FACILITY SUMMARY REPORT PART II

MISSOURI DEPARTMENT OF NATURAL RESOURCES BEFORE COPYING FORM, ENTER THE FACILITY NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.

McDonnell Douglas Corporation

FACILITY'S EPA

M·O·D·O·O·O·8·1·8·9·6·3

FACILITY'S MISSOURI I D. NUMBER

📕 R. R. O. 2.6.8

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HAZARDOUS WASTE PROGRAM

P.O. BOX 176 JEFFERSON CITY, MISSOURI 65102 (314) 751-3176

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McDonnell Douglas Corporation

FACILITY'S EPA

M · O · D · O · O · O · 8 · 1 · 8 · 9 · 6 · 3

FACILITY'S MISSOURI I D NUMBER

R. R. O. 2.6.8

NOTE PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE											
SECTION E - REPORT IDENTIFICATION (AS SHOWN ON PART I)											
		FOR THE PERIOD ENDING (CHECK ONE & FILL IN YEAR) 2. PAGE				NOTE: SUMMARIZE THE AMOUNT OF WASTE RECEIVED					
	9-30- (YEAR) 12-31- 94(YEAR)			OF 16		AND HOW IT WAS HANDLED FROM AN INDIVIDUAL SOU					
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McDonnell Douglas Corporation				E - CHECK THIS B	SOX L	M O D O O O O O O O O O O O O O O O O O					
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, 0	GENERATOR'S ADDRESS	CITY			STATE ZIP CODE	7 GE	NERATOR	R'S MISSOURI I () NUMBER		
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I N	DESCRIPTION OF WASTE	DOT HAZARO CODE	EPA HAZARDOUS		TOTAL AMOUNT	UNIT	SPECIFIC	CODE			
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Ť	Yadashais I sasahasahaa		D · O · O · 3	F · 0 · 0 · 6							
•	Industrial wastewater	1.2	F 0 1 9	1000	142,000	Р		5.0.5	T 0 4		
	pretreatment sludge				142,000		•	3 0 2	1 0 7		
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_	Water emulsified										
2	cutting oil				1,351	Р		S 0 1	T 5 0		
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	ECTION H - COMMENTS						- 3. T		@ _±3		
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Ţ	04: Precipitation, reduct	ion,	neutral	ization,	filtration, coagulat	tion	, †1X	ation,			
and discharge to POTW.											
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HAZARDOUS WASTE PROGRAM P.O. BOX 176

JEFFERSON CITY, MISSOURI 65102 (314) 751-3176

FACILITY SUMMARY REPORT PART II

MISSOURI DEPARTMENT OF NATURAL RESOURCES BEFORE COPYING FORM, ENTER THE FACILITY NAME AND IDENTIFICATION NUMBERS AS SHOWN ON PART I.

FACILITY NAME

McDonnell Douglas Corporation

FACILITY'S EPA

M. O. D. O. O. O. 8. 1. 8. 9. 6. 3

FACILITY'S MISSOURI I D NUMBER

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NOTE ▶ PLEASE READ INSTRUCTIONS AND EITHER PRINT OR TYPE												
SECTION E - REPORT IDENTIFICATION (AS SHOWN ON PART I)												
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	3-31(YEAR)	EAR))F	ON THIS PAGE. AD	DITIO	NAL, P	AGES NEE	ED TO BE			
	COMPLETED FOR EACH INDIVIDUAL SOURCE.											
S	SECTION F - GENERATOR IDENTIFICATION (LIST THE SOURCE OF THE WASTE LISTED ON THIS PAGE)											
3	J GENERATOR'S NAME 4 IMPORTANT: IF THE WASTE IDENTIFIED ON THIS 5 GENERATOR'S U.S. EPA I.D. NUMBER											
PAGE WAS BOTH GENERATED AND MANAGED ON- SITE - CHECK THIS BOX 1												
	McDonnell Douglas Corporation M'0'D'0'0'0'8'1'8'9'6'3											
6 GENERATOR'S ADDRESS CITY					STATE ZIP CODE	7 GENERATOR'S MISSOURI I D NUMBER						
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-			D·0·3·5									
3	Ignitible/chlorinated solvents	0.8	D·0·0·1	0 · 0 · 0 · 7								
٦			D · O · 4 · O		5,120	P		S 0 1	TEO			
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"		•	D·0·3·5									
5	Mold material from	0. 2	D·0·0·2									
	die-casting metals				13,338	P		2.0.1	T · 0 · 4			
6	Acid from pickling	0.2	D·0·0·2				-					
١	aluminum alloys				1,068	P		S 0 1	T 0 4			
7					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
	Coolant	•			880	Р		S 0 1	T O A			
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Precipitation, reduction, neutralization, filtration, coagulation, fixation, T04: and discharge to POTW.